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Annual Administration Report

of the

Civil Veterinary Department

H.E.H. the Nizam's Government

for the year

1348 Fasli

(6th October 1938 to 5th October 1939

Hyderabad-Deccan
Government Central Press
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Annual Administration Report of the Civil Veterinary Department, H.E.H. the Nizam's Government, for the year 1348 Fasli (6th October 1938 to 5th October 1939).

I held charge of the department throughout the year and was on tour for 109 days travelling 12,872 miles by rail and 1,830 by road, visiting 6 hospitals and 6 stallion stands in 11 districts. I visited the Hingoli Stud Farm thrice and the Himayatsagar Dairy Farm 20 times and inspected the office of the Veterinary Inspector and the Deputy Superintendent, Aurangabad Circle once; visited the hospitals and dispensaries in Hyderabad many times.

I attended the Horse and Cattle Show Malegaon, the Cattle Show Udgir, the S.P.C.A. Animal Show Hyderabad, Health Week Show Patancheru, Poultry Show Hyderabad, Agricultural Demonstration Raichur; and served on the Nizamsagar Irrigation Project Development Board, the Hyderabad S.P.C.A. and the Horticultural Show and Farming Association Committees; and the divisional Rural Reconstruction Conference at Gulbarga.

I visited Bombay and purchased a T. B. stallion for the Hingoli Stud Farm. I attended the All-India Cattle Show, Delhi, and acted as a Judge in some classes. I also attended the meetings of the Advisory Board and the Governing Body of the Imperial Council of Agricultural Research held at Delhi and Simla and the meeting of the Animal Husbandry Wing of the Board of Agriculture and Animal Husbandry.

Circle Officers.

Hyderabad Circle comprises of (1) Hyderabad City and suburbs (2) Atraf-e-Balda (3) Bagath (4) Bidar (5) Gulbarga (6) Osmanabad (7) Raichur and (8) Mahbubnagar districts.

Mr. Mohammad Aziz Hasan continued to be in charge of this circle during the year. He was on tour for 120 days travelling 5,665 miles by rail and 2,260 by road. He visited 67 villages, inspected 23 hospitals and dispensaries including subordinate offices, 5 stallion

stands, 16 Government Bulls, Narsingee and Yerragadda Cattle Markets, checked the field work of subordinates in 16 villages, attended five outbreaks and conducted 8 Cattle Shows in his jurisdiction. He also attended the Malegaon Horse and Cattle Show, All India Cattle Show Delhi, Animal Show organised by the S.P.C.A. and Poultry Show organized by the Agricultural Department at Hyderabad, Agricultural Demonstration at Raichur and Rural Reconstruction Conference at Gulbarga. He delivered lectures as usual in Cattle Shows regarding preventive inoculations and cattle improvement.

Northern Circle consists of Aurangabad, Parbhani, Nander, Nizamabad and Bhir districts. Mr. N. D. Dasan was in charge of this circle throughout the year except for a period of three months and 22 days from 9th Amardad to 30th Aban, when he was on privilege leave. Mr. Aminuddin, Veterinary Inspector of the Aurangabad district, officiated for him.

Mr. N. D. Dasan was on tour for 101 days travelling 612 miles by rail and 2,100 by road. He visited 173 villages, inspected 14 subordinate offices and dispensaries and 11 stallion and bull stands. He also attended the Horse and Cattle Shows of Malegaon, Parli, Khuldabad and the Agricultural Demonstration at Bhir, 11 Rural Reconstruction Centres in Aurangabad and Bhir districts and took part in the Health Week Exhibition organized by the Medical Department at Jalna.

Mr. Mohammad Aminuddin as officiating Deputy Superintendent spent 67 days on tour travelling 1,523 miles by rail and 902 by road. He visited 61 villages, inspected 16 subordinate dispensaries and 16 stallion and bull stands.

The Southern Circle consists of Warangal, Karimnagar, Adilabad, Nalgonda and Medak districts. Mr. M. Mahmoodullah continued to be in charge of this circle throughout the year. He was on tour for 165 days travelling 917 miles by rail and 3,124 by road. He visited 88 villages, 30 subordinate offices and dispensaries, attended 6 Cattle Shows held in his circle. He also attended four inoculation camps in 9 villages and supervised the work of his subordinates. Of these, he organized three camps.

Veterinary Disease Investigation Officer.

Mr. M. R. Mahajan continued to work as Veterinary Disease Investigation Officer for Hyderabad State during the year except from 3rd to 20th Aban when he was on privilege leave. He was on tour for 129 days travelling 6,222 miles by rail and 3,080 by road.

He attended the 26th Session of the Indian Science Congress Association held at Lahore and read a paper on the importance and control of fresh water snails in Veterinary Research. He also attended the Animal Husbandry Wing Meeting of the Board of Agriculture and Animal Husbandry held at New Delhi, Poultry and the S.P.C.A. shows held at Hyderabad and the Cattle Show at Banswada in the Nizamsagar Canal Area in connection with propaganda against Liver Fluke Infestation.

He continued to supervise the work of the Laboratory Assistant.

Investigation of Diseases.

539 suspected cases of Trypanosomiasis were examined of which 39 were found positive. These occurred in the districts of Parbhani, Nizamabad, Medak, Hyderabad, Atraf-e-Balda, Warangal and Karimnagar.

Equine Surra broke out during the year at Hingoli and the villages roundabout. In view of the valuable stock at the Government Farm, he was deputed to take control measures. Blood smears of over 250 equines from the Stud and the villages roundabout were taken and examined. 12 cases that were found positive were treated with single intravenous injections of Naganol. Further spread was controlled and the Government stock remained free.

After three months, however, one case occurred in a gelding at the Hingoli Stud and one mare showed what looked like Crithedia Laboni in blood.

Systematic examination of the Government stock was carried out again and protective inoculation with Naganol was administered to the whole stock. Action was also taken to control the breeding of tabanidae by clearing and burning of the bushes in the two small water

courses that pass through the stud farm. These measures were promptly applied and no fresh cases occurred.

After seven months the same gelding again showed Trypanosomes. Detail investigation revealed that this was a mere relapse and not a fresh infection.

Bovine Surra outbreaks occurred in the villages of Venla, Shikarpur, Dasarpally and Lachnipally of the Mahbubnagar district and that of Kallur in the Nizamabad district were rather peculiar and interesting. The symptoms were fever, off-feed, constipation, unsteady gait, blindness, circling, at times head pressed against a wall, progressive emaciation, falling down, semi-comatose condition followed by death. Duration of the disease being from 8 days to a month or even more. Microscopic examination revealed trypanosoma evansi. These outbreaks occurred in the so called surra season with tabanus, lyperosia and exigua flies being in plentiful. Naganol gave good results in treatment. The disease resembled "Bhora" which is reported from the Central Provinces. The outbreaks appeared to be those of subacute or chronic forms of bovine surra. Further investigation will be conducted.

A cow showed symptoms of anaphylactic shock following intravenous injections of anti-haemorrhagic septicaemia and anti-anthrax sera. These disappeared after five hours but was followed by a high temperature the next morning. Blood smear examination revealed Trypanasomes and the case was controlled with Naganol.

Canine Surra.—Surra in a dog was diagnosed for the first time in Hyderabad State and was confirmed by the Imperial Veterinary Research Institute, Muktesswar. The symptoms noted were fever, progressive emaciation, partial blindness and unsteady gait, etc. This was successfully treated with a single injection of 5 c.c. of a 5 per cent. solution Naganol given intravenously.

Trypanosoma Theileria.—This was confirmed in a bull-calf from Mahbubnagar district.

Double intradermal tuberculin test was applied to the animals of the Dairy Farm, Himayatsagar for the diagnosis of tuberculosis and Johne's diseases using concentrated tuberculin and avian tuberculin. The pre-

vious test was carried out in the year 1346 F. and the positive reactors were removed. It is gratifying to note that no further case was detected suffering from either of the two diseases during the present test. A bullock of the Main Agricultural Farm, Himayatsagar died after chronic and persistent diarrhoea. Post-mortem examination revealed liver fluke infection and post-mortem changes indicating Johne's disease. The Imperial Veterinary Research Institute, Mukteswar, confirmed the diagnosis of Johne's disease.

Liver Fluke.—Three hundred and seventy-three cases were examined and 111 were found positive for the infection of liver fluke. A scheme put up to control and eradicate liver fluke infestation in the Nizamsagar Project Area is under the consideration of Government.

236 animals were examined at the Dairy Farm, Himayatsagar, of which 17 were positive for liver fluke. Treatment with Igitol (Bayer) was efficacious.

As a result of the recommendation of the Veterinary Department at the Development Board Nizamsagar, the district Revenue Authorities carried out with the co-operation of villagers anti-snail operations for the first time in the Nizamsagar canal area at Bodhan, Banswada, Nizamabad Tehsils and cash prizes were allotted by the Veterinary Department in this connection. Limnaea acuminata was seen in abundance in Banswada taluq, and it was observed that the intensity of the snails varied with water-logging in the area. The operation regarding snail destruction is progressing satisfactorily.

Osteomalacia.—Kopnur, a village in Jatpol Samasthan had a large number of cattle suffering from this trouble. Samples of groundnut hay from the villages of Kopnur, Bukkapur, Amdalpad and Tipaipalli were sent to the Imperial Veterinary Research Institute, Mukteswar, for examination. The results obtained indicate that the hay from the non-infected village Tipaipalli is normal in calcium content while in the others it is low, and the phosphorus content of all the four samples was found to be low. Soil examination showed a low phosphorus content. The calcium content of all the soil samples was normal. Examination of water is being taken up.

A suggestion was made during the year by the Director of Veterinary Services, Madras, based on the work done at the King's Institute, Guindy (Madras) that the condition may be fluorine poisoning due to the presence of fluorides in the drinking water. With this idea in view, samples of water from the villages were forwarded for analyses. Endemic fluorosis was noticed in children and a few adults of this village.

The Director of King's Institute, Guindy (Madras) and the Director of Public Health, Madras who had recently made a critical study of the condition of endemic Fluorosis in the field of then Presidency, are of opinion that the results of the survey so far made appear to indicate that the incidence and severity of bone disease bears some relation to the nutrition and economic conditions as also to fluorides.

Theileriasis. Theileria Annulata.—Two cases of this disease occurred amongst calves born at the Cattle Farm, Hingoli. The examination of the blood smears showed a heavy infection.

No warbles were noticed in the Dominions. This was also the experience of the Assistant Entomologist of the Imperial Veterinary Research Institute, Mukteswar, engaged in the investigation of warbles who had visited Hyderabad during the year under report.

Pneumonia in Calves.—Material collected on post-mortem examination of a bull-calf at the Cattle Farm, Hingoli, revealed on histological examination pneumonia with extensive necrotic areas (abscesses) surrounded by giant cell formation. Very numerous clusters of diptheroids were seen in the necrotic areas.

Circling Disease of Sheep.—Circling disease in sheep is a seasonal occurrence associated with the rainy season. As there was a general shortage of rains during the year under report, no outbreak of this disease was reported.

Microscopic Diagnosis.—A total number of 2,302 specimens were examined in the laboratory of which 588 were found positive for various diseases.

29 pathological specimens were collected and preserved during the year.

Education and Training.—No scholarships were awarded during the year. One Veterinary Inspector and one Assistant Veterinary Surgeon were deputed to Madras Veterinary College for Post-Graduate Training.

Contagious Diseases.

Table No. I.—8,645 deaths from contagious diseases and 3,931 from other causes, as per details below, were reported during the year against 10,176 and 3,348 respectively in the year preceding.

Equines	1347 F	1348 F
1. Surra ..	20	26
2. Dourine . ..	.	
3. Other contagious and parasitic diseases	2	15
Total	22	41

Cattle	1347 F	1348 F
1. Rinderpest	1,407	938
2. Haemorrhagic Septicaemia .. .	2,138	840
3. Foot and mouth	456	377
4. Black quarter	1,217	286
5. Anthrax	107	208
6. Surra	15	30
7. Other contagious and parasitic diseases ..	224	1,214
Total ..	5,564	3,893

Buffaloes	1347 F	1348 F.
1. Rinderpest	567	2,022
2. Haemorrhagic Septicaemia	2,442	791
3. Foot and mouth	63	163
4. Black quarter	299	97
5. Anthrax	33	108
6. Surra	25	25
7. Other contagious and parasitic diseases ..	207	267
Total ..	3,636	4,373

Sheep	1347 F.	1348 F.
1 Anthrax	33	
2 Sheep-pox	55	4
3 Foot and mouth	90	12
4 Scab	20	..
5 Pleuro pneumonia	..	1
6 Other contagious and parasitic diseases	594	240
Total	792	257

Goats	1347 F.	1348 F.
1 Anthrax	6	.
2 Sheep pox		..
3 Pleuro pneumonia	29	7
4 Foot and mouth	32	..
5 Other contagious and parasitic diseases .	16	12
Total	83	19

Dogs	1347 F.	1348 F.
1. Rabies . ..	5	6
2 Other contagious and parasitic diseases	74	56
Total ..	79	62
Other causes in all	3,348	3,931

653 outbreaks of contagious diseases were reported during the year. Of these 19 were of Surra, 139 of Rinderpest, 222 of Foot and Mouth, 170 of Haemorrhagic Septicaemia, 26 of Anthrax, 41 of Black Quarter and 36 of other diseases.

Total number of inoculations during the year was 1,81,944 compared with 2,45,458 in the year preceding. The fall in the number of inoculations was due to a smaller number of outbreaks reported and also as reported last year the protection of cattle against Rinderpest in non-infected areas was to an extent restricted. The number of Serum-simultaneous-inoculations with Goat virus and Goat-virus-alone-vaccinations during the year was 683 and 709 respectively. The number of Serum simultaneous-inoculations with Tissue-vaccine and Tissue-vaccine-alone-vaccination was 25,668 and 93,416 respectively.

Details of Serum-simultaneous-inoculations with Goat-virus-alone-vaccination and Serum-simultaneous-inoculations with Tissue-vaccine-alone-vaccination are shown below:—

	Hyderabad Circle	Northern Circle	Southern Circle
1. Number of outbreaks at which inoculations undertaken .	66	34	171
2. Total number of inoculations	40 464	23 714	1,17 766
3. Serum simultaneous with goat-virus . .	12		671
4. Goat-virus-alone vaccination .	40		669
5. S.S I. with T.V.	2,855	1,952	20,861
6. T.V. alone V.	24,218	16,816	52 282

Hospitals & Dispensaries:—The number of animals treated during the year at the Veterinary Hospitals, dispensaries, and by officials on tour was 4,39,275 compared with 4,14,356 and 3,92,070 in 1347 F. and 1346 F. respectively. The increase in the number of cases treated is due to the opening of four new stationary hospitals. 7 animals—one bovine, one equine and five canine were treated with anti-rabic vaccine in the Warangal and Aurangabad veterinary hospitals.

The work turned out at the main Veterinary Hospital, Hyderabad is summarised below:—

The number of animals treated during the year was 22,375 and the number of castrations performed 37.

1183 operations were performed of which 327 were major and 856 minor.

18 cases of distemper in canine were treated with Bayer's Omnadin and anti-serum. 6 cases of canine piroplasmosis were also treated, some with Trypan Blue and the others with Acaprin, the latter gave better results.

17 post-mortem examinations were conducted during the year.

No new building was constructed during the year. The number of veterinary dispensaries housed in rented buildings remained the same as last year. Government have sanctioned funds for building 9 district veterinary hospitals and execution of the work will be taken up.

Table No. XII.—The number of stallions at district stands and at Hingoli Stud was 30 at the close of the year compared with 29 at the close of the year preceding.

Two stallions were destroyed due to old age. Two colts were brought on the register of stallions and one stallion (Lord Chancellor) was purchased at a cost of B.G. Rs. 3,000 from Bombay for the Stud Farm, Hingoli.

Table No. XIII.—The number of stallion stands at end of the year remained the same as last year. The number of coverings during the year was 554 compared with 558 in the previous year. The number of stallions at work during the year was 31 against 37 in 1347 F. The average number of mares covered per stallion was 21.3 compared with 24.2 in the year before.

Table VI (a).—At the close of the year 1347 F. there were 56 breeding bulls on the register. During the year under report 4 died, 1 was killed by a tiger, 1 destroyed, 8 castrated for farm work and 23 were brought on the register. Thus at the end of the year there were 65 breeding bulls on the register.

Table No. V.—During the year under report 44,090 castrations were performed against 39,284 in the previous year.

Table VII.—23 horse and cattle shows were held during the year. The shows of Ramappa, Sinoor, Dharampuri, Mupertota were discontinued as these places were not suitable for conducting cattle shows. Jidkal Cattle Show which was not held last year owing to an outbreak of cholera was held this year. Prizes distributed at the shows amounted to Rs. 2,205 in cash and 3,015 tolas of silver bangles besides 5 silver medals weighing nearly 5 tolas each.

It is gratifying to note that Wanparthi, Amarchintha, Gadwal and Helli Samasthans contributed prizes in cash and in the shape of silver bangles towards Kurmurthi, Rajanagar and Kanakgiri shows.

Kupal Jagir contributed prizes in the Hulgi Show.

The Jagirdar Sahib of Pallapahad contributed prizes in the Pallapahad Show, Raichur district.

3 bulls and 2 cows belonging to private owners of Udgir taluqa and 2 bulls, 2 cows and 3 heifers from the Government Cattle Breeding Farm, Hingoli were exhibited at the Second All-India Cattle Show, Delhi at the expense of Government.

The following animals got prizes in the breed class for the Deoni animals:—

1.	Tanzeem	(Govt. Bull)	First
2.	Belkuni	(Private Bull)	Second
3.	Prakash	(Govt. Bull)	Third

As per rules of the Show cash prizes were not given to Government animal but the animal that stood second was given this prize. The second prize in the bull class of Rs. 50 was given to a privately bred bull.

A cow bred at the Hingoli Farm won a cup for the best cow shown in the class for best milch breeds in Southern India.

Sheep and Goats.

Experimental work in connection with the breeding of Bikaneer Sheep was continued at the Hingoli Farm.

There were 38 deaths among the herd due to severe parasitic infection.

Cattle Breeding.

8 Government bulls of Amruthmahal breed were posted free in Amrabad taluqa, of which one was killed by a tiger. 99 calves were born during the year as compared with 108 in the year preceding.

Out of the 15 breeding bulls posted in the Nizamsagar Development area, 2 died. 140 cows were served and 81 calves were born.

4 breeding bulls are posted at Gutti, Koadli, Thondar and Udgir proper in Udgir taluqa. 128 cows were served as compared with 44 of the last year. The question of distributing more bulls in Dongar Patti areas of Udgir taluqa is engaging the attention of the department.

Out of the 4 breeding bulls posted last year in Aurangabad district, one was destroyed due to paralysis.

One bull has been supplied this year for cattle breeding in Kannad taluqa.

Two breeding bulls were posted in Medak taluqa, and they covered 32 cows.

There were 2 breeding bulls on register during the year under report in Warangal district. 30 cows were covered.

Virus Production.

During the year under report 1,879 c.c. of blood virus and 3,80,500 doses of tissue vaccine were produced at the Virus Depot.

The whole quantity of virus produced and 1,92,800 doses of tissue vaccine were issued. The cost of production of goat-virus and tissue vaccine amounted to Rs. 1,280-14-6.

Medical Stores.

Annual and emergent indents received at the Medical Stores during the year under report were 1,095 and the following biological products were issued from the stores during the year:—

1.	Anti-Rinderpest Serum ..	88,450 doses.
2.	Haemorrhagic Septicaemia Serum	42,280 doses.
3.	Haemorrhagic Septicaemia Vaccine	41,200 doses.
4.	Anti-Black Quarter Serum ..	11,560 doses.
5.	Do. do. Bacterin ..	10,650 doses.
6.	Anti-Anthrax Serum ..	7,160 doses.
7.	Fowl Cholera Serum ..	4,585 doses.
8.	Fowl Cholera Vaccine ..	4,055 doses.

Library.

25 books were added to the Library at the Head Office. The total number of books now is 419. 72 books were issued to the officials of the department.

The department gets 8 Indian and 14 foreign professional periodicals. In addition, the circle officers are supplied with some important journals for their use and circulation in their jurisdiction.

Rural Development.

The Assistant Veterinary Surgeon, Pattencheru, carried out his routine rural uplift work. He visited all the 14 villages under the centre and gave advice on matters relating to live-stock.

A batch of 35 head-masters from primary schools and a batch of students from Himayatsagar Farm who were deputed here for training, received lectures on veterinary matters.

In the Health Week at Pattancheru, Medak, and Khammam, the department held Cattle Shows, delivered lectures on veterinary subjects. The veterinary officials of all the districts visited the villages selected for rural uplift work several times during the year and suggested to villagers measures for improvement of their cattle stock, maintenance of cattle stables under hygienic conditions and prevention of diseases.

A scheme for departmental propaganda was sanctioned during the year and others continued to be under the consideration of Government.

Establishment.

The strength of the cadre of the department stood as below at the end of the year:—

	Sanctioned	Vacant.
Deputy Superintendents ..	5	..
Cattle Section Officer ..	1	..
Dairy Assistant ..	1	..
Veterinary Inspectors ..	16	..
Assistant Veterinary Surgeons ..	46	2
Veterinary Assistants ..	38	..
Salutry Jamedars ..	17	..
Salutries	15	..
Himayatsagar Dairy Farm.		
Superintendent ..	1	..
Assistant Superintendent ..	1	1
Field man	1	..
Mechanic ..	1	..
	143	3

Mr. Alauddin Ahmed, Assistant Veterinary Surgeon, delivered again, during the year, a series of lectures on "First Aid for Horse" to the students of the Police Training School, Hyderabad. On request, the officials of the department helped the District Local Boards, Warangal, Gulbarga, and Raichur in the inspection of ponies used for hackney carriages. It is hoped other districts will also do so.

S. P. C. A.

Active work in this connection is reported from many places. Officials of the department have been co-operating with this organization whenever their services are required.

General Remarks.

It is with very great pleasure that I record my appreciation of the very valuable work Mr. Syed Ruknuddin, the Registrar, has done during the year. The work of the office staff and the medical stores including the Virus Depot continued to be generally very satisfactory.

Mr. Syed Abdul Jabbar, Deputy Superintendent attached to Head Office has my thanks for his very satisfactory work.

I wish to commend the following officers and thank them for their work:—

1. Mr. Md. Aziz Hasan.
2. „ Mahamoodullah.
3. „ N. D. Dasan.

The work of the staff in the district has been satisfactory generally, and the standard of work has improved.

Mr. M. R. Mahajan, Veterinary Investigation Officer, put in most useful service and has fully earned my thanks.

(Sd.) B. K. BADAMI,
Director, Veterinary Department.

Stud and Fodder Farm, Hingoli.

The rainfall during the year was 23 inches, 61 cents, against 50 inches, 7 cents in the year preceding which was very untimely and very insufficient almost threatening to be a famine year.

Cash receipts during the year amounted to O.S. Rs. 11,190-10-11.

12,81,728 lbs. of hay, 56,376 lbs. of kadbi, and 1,35,589 lbs. of green grass were harvested during the year.

The following are a few of the diseases that occurred among the live-stock during the year:—

worms, debility, sprain, splints, diarrhoea, strongylosis, colic, indigestion, conjunctivitis, tympanites, wounds, piroplosmosis, and one case of Surra.

A few deaths amongst bovines of the farm were due to strongylosis, T. Mutans, snake-bite, pneumonia, navel-ill, and gastro-enteritis.

The average number of in and outpatients treated at the Stud Farm, Hingoli, during the year under report, was 36.9 against 23.3 during the previous year.

The successful coverings were 87.7% to mares covered or 84.3% for the total strength of the mares. The actual foalings during the year were 45.8% to mares covered.

Two colts were drafted as stallions and four fillies as brood mares. Five heifers were taken in the list of cows and 15 bulls were drafted as breeding bulls during the year under report.

The Deoni herd at the end of the year stood as follows:—

Cows	..	50
Bulls	..	13
Young stock	..	91

The yield of milk was 58,546 pounds as against 83,701¼. The fall in the yield of milk is due to drought, want of sufficient rains and grazing, and less number of cows in milk. 25,370¾ lbs. of whole milk were used for separation, 24,088 lbs. were fed to the calves and 6,701¼ lbs. were sold to the customers.

Milk products as butter and ghee were marketed.

The distinguished visitors to the Stud Farm, Hingoli during the year were:—

1. Mr. R. M. Crofton, I.C.S., Hon'ble Revenue Member (acting).
2. Mr. W. V. Grigson, I.C.S., Director-General and Secretary, Revenue Department.
3. Nawab Rais Jung Bahadur, Secretary, Commerce and Industries Department.
4. The Subedar Sahib, Aurangabad.
5. Mr. K. P. R. Kartha, Statistician, Animal Husbandry Section of the Imperial Council of Agricultural Research—to collect data regarding milk recording, etc.

Mr. C. R. Kathirvelu continued to work as Deputy Superintendent, Stud Farm, Hingoli, during the year except for one month and a half when he was on privilege leave from 2-8-48 F. to 1-9-48 F. and 9th to 23rd Amardad 1348 F. During his absence on leave Mr. C. V. G. Pillai, Veterinary Inspector, officiated for him. The work of the Deputy Superintendent and that of the staff was very satisfactory.

(Sd.) B. K. BADAMI,
Director, Veterinary Department.

Cattle Breeding Farm and Dairy, Himayatsagar.

Mr. V. S. Ram Rao continued to be in charge of the farm during the year. He toured for 28 days and travelled 600 miles by road.

The rainfall during the year was 20.72 inches against 21.97 inches in the year preceding.

There were 25 births in Krishna-Valley and 33 in Malvi cattle, and seven in buffalo herd during the year. 10 deaths occurred among the stock due to diarrhoea, chronic encephalomyelitis, weak and undeveloped calving at birth and pneumonia.

Seven Krishna-Valley and 1 Malvi bulls were castrated being not up to the standard. 298 animals were treated during the year.

During the year under report 6 Krishna-Valley, 9 Malvi and 3 she-buffaloes, home-bred heifers, were transferred to the adult stock. 8 Krishna-Valley and two Malvi bull calves were transferred to the working animals. Four bulls were sent out to the districts as breeding bulls.

The stock at the end of the year was as below:—

Krishna-Valley cows	37
Malvi cows	37
Murrah buffaloes	9
Young stock	190
	273

The work of demonstrating clean milk production, handling and distribution of milk was continued as before. A change in the system of milk distribution was effected, i.e., two centres for distribution of milk were opened at Pathargati and Narayanguda Veterinary Dispensaries. Milk from the farm was brought direct to these centres in milk van and from there door-to-door delivery was made by delivery boys on special bicycles purchased for this purpose. This has resulted in appreciable reduction in the expenditure.

80,728 lbs. of cows' and 10,718 lbs. of buffaloes' milk were produced during the year, of which 22,470 lbs. of cows' and 1,820½ lbs. of buffaloes' milk were sold, and 18,573½ lbs. were separated.

Cash receipts during the year amounted to Rs. 8,857-12-6.

15,15,706 lbs. of green fodder were harvested during the year, out of this 59,142 lbs. were ensilaged and the balance 14,56,564 lbs. were fed to the stock.

Two pits which were filled in 1347 F. and partly in 1348 F. were opened during the year and fed to the stock.

During the year steps were taken to improve the grazing area by not removing the droppings. The grass in two paddocks was allowed to run into seed and was not harvested and the cattle were sent out for grazing in this area only after seeding.

A kancha in Bundlaguda was taken on lease and 5,31,638 lbs. of hay were harvested. In addition to this 1,49,705 lbs. of hay were purchased. Dry cattle were sent there for grazing.

As before, manufacturing compost by Indore method was carried out during the year. 52 pits of compost were manufactured for manure. All the liquid manure and washings from yard and dairy were utilized for irrigatting the plot under guinea-grass in dry area.

463 visitors visited the farm during the year. A few of the distinguished visitors were:—

1. Dr. Burns, Agricultural Expert.
2. Mrs. Burns.
3. Mr. W. R. Aykroyd,
   Director of Nutritional Research.
4. Dr. Mrs. D. C. Wilson, of the Royal Society of Nutrition Research, England.

The work of the Superintendent, Dairy Farm and that of his staff was generally satisfactory.

(Sd.) B. K. BADAMI,
Director, Veterinary Department.

STATEMENTS.

TABLE No. I.

Statistics of mortality from contagious diseases and other causes among live stock during the year 1346 Fasli

District	Horses: Glanders	Horses: Surra	Horses: Dysentery	Horses: Anthrax	Horses: Other contagious & parasitic diseases	Horses: Total	Horses: Other causes	Cattle: Rinderpest	Cattle: Haemorrhagic Septicaemia	Cattle: Foot and Mouth	Cattle: Black Quarter	Cattle: Anthrax	Cattle: Surra	Cattle: Other contagious & parasitic diseases	Cattle: Total	Cattle: Other causes	Buffaloes: Rinderpest	Buffaloes: Haemorrhagic Septicaemia	Buffaloes: Foot and Mouth	Buffaloes: Black Quarter	Buffaloes: Anthrax	Buffaloes: Surra	Buffaloes: Other contagious & parasitic diseases	Buffaloes: Total	Buffaloes: Other causes
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1. Aurangabad	..	..	..	..	..	..	..	73	71	28	49	10	..	153	384	208	21	17	4	5	..	..	87	79	4
2. Parbhani	..	..	..	..	8	8	..	..	31	1	26	..	..	364	422	275	..	6	3	..	..	..	4	9	47
Hingoli stud	..	..	1	..	2	3	..	..	..	..	..	..	..	13	13	..	..	..	..	..	..	..	..	12	..
3. Bhir	..	..	..	..	..	..	..	..	46	4	48	4	..	19	116	..	..	12	..	..	..	..	..	14	207
4. Nanded	..	..	..	..	..	..	15	53	6	29	7	6	..	128	229	276	11	2	..	6	..	..	94	136	..
5. Dhamanabad	..	..	9	..	..	9	8	3	66	125	4	2	..	130	330	59	1	10	65	..	..	..	..	..	..
M.C. Total	..	..	10	..	10	20	18	129	220	187	129	22	..	807	1494	776	33	104	72	18	..	..	228	450	421
1. Medak	..	..	18	..	..	18	..	..	70	21	..	10	..	..	101	..	..	65	..	..	4	..	..	69	..
2. Nalgonda	..	..	..	..	1	1	8	37	144	12	84	4	..	13	294	429	208	309	10	16	2	..	5	80	198
3. Warangal	..	..	..	..	..	..	..	178	68	23	7	54	..	42	372	..	732	73	56	5	41	..	11	518	..
4. Karimnagar	..	..	1	..	..	1	..	200	186	..	17	43	..	..	446	8	1781	77	..	4	9	..	..	1,871	1
5. Adilabad	..	..	..	..	..	..	5	179	17	29	1	..	..	..	226	41	313	29	11	2	..	..	..	355	200
S.C. Total	..	..	14	..	1	15	13	594	485	85	109	111	..	55	1439	478	2634	553	77	57	56	..	16	3,391	401
1. Hyderabad	..	..	1	..	1	2	5	..	5	..	..	1	..	4	10	17	6	5	..	..	..	..	8	19	13
2. Atraf-i-Balda	..	..	..	..	..	..	..	..	20	60	3	2	..	4	89	1	3	45	..	..	..	..	..	48	1
Himayatnagar cattle breeding farm	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	..	..	..	..	..	..	..	..	..
3. Mahbubnagar	..	..	1	..	..	1	..	49	64	6	8	60	30	..	217	..	15	46	5	10	12	25	..	143	..
4. Osmanabad	..	..	..	..	..	..	9	..	19	18	19	10	..	126	192	525	..	6	2	3	..	..	15	26	15
5. Gulbarga	..	..	..	..	..	..	5	..	10	3	2	2	..	159	176	446	..	15	4	..	5	..	..	24	92
6. Bidar	..	..	..	..	8	8	8	..	17	18	3	..	..	50	97	84	..	11	3	..	..	..	..	14	8
7. Raichur	..	..	..	..	..	..	3	166	..	..	13	..	..	..	179	21	231	7	..	9	..	..	..	247	5
H.C. Total	..	4	..	..	4	6	25	215	135	105	48	75	30	352	960	1,104	255	135	14	22	47	25	23	511	156
Grand Total	..	26	..	..	15	41	56	938	840	377	286	208	30	1,214	3893	2358	2922	791	163	97	108	25	267	4,371	978
1848 Fasli																									
Total for 1847 F.	..	20	..	..	2	22	129	1407	2,138	456	1217	107	15	224	5564	2,155	567	2,442	61	299	3.	25	207	3,636	585
Total 1846 F.	..	18	19	..	61	65	..	2501	2,940	185	1516	281	108	582	7963	.	1333	2,976	21	378	..	1	213	5,020	

TABLE No. I.

Statistics of mortality from contagious diseases and other causes among live stock during the year 1348 Fasli —(contd.)

District	Sheep: Anthrax	Sheep: Sheep-pox	Sheep: Pleuro Pneumonia	Sheep: Foot and Mouth	Sheep: Scab	Sheep: Other diseases	Sheep: Total	Sheep: Other causes	Goats: Anthrax	Goats: Sheep-pox	Goats: Pleuro Pneumonia	Goats: Foot and Mouth	Goats: Scab	Goats: Other contagious parasitic diseases	Goats: Total	Goats: Other causes	Dogs: Rabies	Dogs: Other contagious parasitic diseases	Dogs: Total	Dogs: Other causes	Camels: Surra	Camels: Mange	Camels: Pleuro Pneumonia	Camels: Trypanosomiasis	Camels: Other contagious parasitic diseases	Camels: Total	Camels: Other causes	Camels: Other contagious parasitic diseases	All Animals: Total (cols. 1 to 53)	All Animals: Total (cols. 54 to end)
1	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
1. Aurangabad	..	..	..	..	..	..	..	..	..	..	5	..	..	..	5	..	2	14	16	..	..	..	..	..	..	..	574	302
2. Parbhani	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	49.3	320
Hingoli stud	..	..	..	..	..	88	88	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	54	
3. Bhir	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	128	*
4. Nanded	..	..	..	..	..	..	..	66	..	..	..	..	..	..	..	147	4	..	4	2	..	..	..	..	..	15	252	728
5. Nizamabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	2	..	..	..	..	..	..	513	1 [illegible]
N.C. Total	..	..	..	..	..	88	88	66	..	..	5	..	..	..	5	149	6	14	20	4	..	..	..	..	..	15	2 030	1 449
1. Medak	..	..	..	..	..	..	..	..	..	..	..	..	..	12	12	..	..	..	..	..	..	..	..	..	..	..	193	
2. Nalgonda	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	21	..	1	1	2	..	..	..	..	..	..	876	658
3. Warangal	..	..	..	..	..	202	202	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1 092	
4. Karimnagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2 818	11
5. Adilabad	..	..	..	..	..	..	..	151	..	..	..	..	..	..	..	36	..	..	..	..	..	..	..	..	..	..	581	433
S.C. Total	..	..	..	..	..	202	202	151	..	..	..	..	..	12	12	57	..	1	1	2	..	..	..	..	..	..	5,002	1102
1. Hyderabad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13	..	37	37	2	..	..	..	..	..	..	68	71
2. Atraf-i-Balda	..	..	..	12	..	..	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	149	4
Himayetsagar cattle breeding farm	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		10
3. Mahbubnagar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	561	
4. Osmanabad	..	..	2	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	229	571
5. Gulbarga	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	4	..	..	..	9	..	..	..	..	..	..	280	560
6. Bidar	..	..	2	1	..	..	..	4	..	..	2	..	..	..	2	8	..	4	4	6	..	..	..	..	..	..	121	11
7. Raichur	..	..	..	..	..	..	..	16	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	436	4
H.C. Total	..	..	4	1	12	..	..	17	24	..	..	2	..	..	2	28	..	41	41	18	..	..	..	..	..	..	1 547	1380
Grand Total 1348 F.	..	..	4	1	12	..	240	257	24	..	..	7	..	12	19	214	6	56	62	19	..	..	..	..	..	15	8 645	3931
Total for 1347 F.	38	55	..	90	20	594	792	88	6	..	29	32	..	16	83	318	3	74	79	64	..	..	..	..	..	9	10 176	3348
Total 1346 Fasli	..	6	..	..	..	190	196	..	40	4	..	..	..	33	77	..	7	31	38	..	..	..	..	..	..	..	13,339	..

* 78 Fowl Cholera.

TABLE No II

Summary of results of preventive inoculations during the year 1348 Fasli

District	Name of disease against which inoculation was undertaken	Method of inoculation	Source of product	No of outbreaks in which inoculation was undertaken	No of villages affected in these outbreaks	Bovine population of affected villages	No of animals which had an inoculated in course of out breaks			No of animals inoculated			No of inoculated animals which had of the disease		
							Bovines	Equines	Others	Bovines	Equines	Others	Bovines	Equines	Others
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Anantapur.	Rinderpest ..	T.V. A.V. ..	V.S., Hyd., Dn.	9	9	8 016	64			1,352					
		S. A. ..	M.S.I., Bangalore.	1	1	600	11	.		532		..			.
		S.S. with T.V ..	V.S., Hyd. Dn.	.	.		..	.	.	492	.	..			.
		T.V.A.V. ..	do ..	..	.		..	.	.	4,814	..	.	.		.
		S S. with T.V ..	do .	..			.	.		205	..	..	.	..	
	Hæmorrhagic Septicæmia	Sero Vaccine ..	M.S.I., Bangalore.	2	2	1,000	14	..	..	882	.	..	.	..	..
			Total ..	12	12	4,616	89	..	..	8,867	..	..	..	.	..

Parbhani.	Rinderpest ..	S.A. ..	M.S.I., Bangalore	1	1	2,050	35	..	.	160			..	..
	H.S. ..	S.A. ..	do ..	3	4	3 659	24			859				..
	Fowl Cholera ..	Sero Vaccine ..	do	2	.	63			7	.	..	59		.
	Surra ..	Intravenous ..	Bayer	2		..					101			
	Rinderpest ..	T.V.A.V ..	V S , Hyd Dn							1 227				
			Total	8	5	5,772	59		7	2 246	101	59		
Hingoli Stud.	Rinderpest	T.V.A V	V S , Hyd Dn							160				
	do	do .	do									26		
	H.S	S A	M S I , Bangalore							165				
	H.S. .	S & V	do							30				
	Tuberculosis	Intradermal T B Test	I V R I , Mukteswar							9				
	Surra .	Intravenous ..	Bayer							7	164		1	
	Tetanus ..	S A	do								141			
	Strangles	V.A.	do							40	75			
			Total		.					411	380	26	1	
Bhir	Rinderpest .	T V A.V	V S , Hyd Dn							1 040				
		S S with T V ..	do							140				.
	Fowl Cholera	S. & V. ..	M S I , Bangalore	1	1	4 746			73			232		..
	Black Quarter .	S. & B. ..	do	2	2	1,749	3			793				.
			Total	3	3	6,495	3		73	2,023	.	232		.

TABLE No II

Summary of results of preventive inoculations during the year 1348 Fasli (contd.)

District	Name of disease against which inoculation was undertaken	Method of inoculation	Source of product	No. of outbreaks in which inoculation was undertaken	No. of villages affected in these outbreaks	Revised population of affected villages	No. of animals which died or inoculated in course of outbreaks: Bovines	Equines	Others	No. of animals inoculated: Bovines	Equines	Others	No. of inoculated animals which died after the inoculation: Bovine	Equines	Others
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Nanded.	Rinderpest ..	S.A. ..	M.S.I. Bangalore	1	3	3,484	68			202			3		
		T.V. A.V. ..	V.S. Hyd.-Dn							2,668		..			
			Total .	1	3	3,484	68			2,870			3		
Bhaunathal.	Rinderpest ..	T.V. A.V. .	V.S., Hyd.-Dn	..	.					3,029		..	.		
	Haemorrhagic Septicaemia.	S.A. ..	M.S.I., Bangalore	10	11	4,654	65	.	.	1,470	.	..	.		.
			Total ..	10	11	4,654	65	.	.	6,499		.		..	.
			Total Northern Circle.	34	34	25,021	284	.	80	22,916	481	317	3	1	.

[illegible]	Rinderpest	S.A.	M S I., Bangalore	1	1	34	.	8		40	..		4
	.	S.A	do	..	..	..		..	704				
	H. S.	V.A.	do	7	22	12,908	131		174		4		
		Sero Vaccine	do	8	.				1,943				
	Anthrax	S.A	do	1	1	270	12		258		2		
	Fowl Cholera	S. A.	do	.		.		98		263			45
		Sero Vaccine	do	4	8	..				157			.
	Fowl Pox	Vaccination	I.V.R.I., Muktesar.	1	1		.	13	.	191	.		..
	Inoculations in clean areas												
	Rinderpest	S.A.	M.S.I., Bangalore				.		21				
		S.S. with T.V.	do						1,680				
		do	V. S., Hyd		.	..					..		
		T. V. A. V.	do					.	6,492				
		S. A.	M.S.I. Bangalore				.			168			
	Fowl Cholera	S. V.	do							4			
	Fowl Pox	Vaccine	I.V.R.I., Muktesar	.						115			
		V. A.	do							17			
			Total	22	34	13,212	143	119	11,552	1,080	6		29
Nalgonda ..	Haemorrhagic Septicaemia	S. & V	M.S.I., Bangalore.	14	54	31,711	453		1,521		..		
	Blackquarter	S & B	do	5	14	14,880	190		2,151		.		

TABLE No. II

Summary of results of preventive inoculations during the year 1348 Fasli —(contd.)

District	Name of disease against which inoculation was undertaken	Method of inoculation	Source of product	No. of outbreaks in which inoculation was undertaken	No. of villages affected in these outbreaks	Bovine population of affected villages	No. of animals which died uninoculated in course of outbreaks			No. of animals inoculated			No. of inoculated animals which died of the disease		
							Bovines	Equines	Others	Bovines	Equines	Others	Bovines	Equines	Others
3	3	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Malgunda (contd.)	Rinderpest ..	S.A. ..	M.S.I. Bangalore	..	.	..				9	.		..		
		S.S. with T.V. ..	V.S., Hyd.-Dn.	13	18	19 929	245			1,792			..		
		T.V. A.V. ..	do ..	..	..	..	.	..	.	3,675	.				
	Fowl Cholera ..	S. & V. ..	M.S.I., Bangalore.	3	3	..		..	196	..	..	206	.		
	Haemorrhagic Septicaemia ..	S. & V. ..	do .	..	..	..	..	..	..	450	.	..	.	.	.
	B.Q. ..	S. & B. ..	do ..	..	..	..	..	..	..	450	.	.	..		.
	Rinderpest ..	S.S. with T.V. ..	V.S. Hyd.-Dn.	..	..	..	..	..	..	1,090	..	..	..	.	.
		T.V. A.V. ..	do	..	..	..	.	..	..	4,858	.			.	
	Fowl Cholera ..	S. & V. ..	M.S.I., Bangalore. ..	..	..	..	.	..	.		.	407			
			Total ..	55	89	86,498	828	..	196	21,001	..	615	.	..	.

Warangal ..	Rinderpest	S.A. ..	M.S.I., Bangalore.	..	..	..	..	..	..	28	..			..
		S.S. with G.V...	V.S., Hyd.-Dn.	.	..	..	..	..	..	412		..		..
		S.S. with T.V. ..	do ..	21	24	19,263	510	..		2,846	..	69		.
		G.V.A.V. ..	do ..	.	..	..	..	..	..	331		.		.
		T.V.A.V. ..	do ..	.		..	..		..	5,761	..			
	H.S. ..	S.S. ..	M.S.I., Bangalore. ..	7	10	13,451	141			3,301		1		
	Anthrax ..	S.A. ..	do ..	5	9	7,024	95	..	..	1,743	..			.
	Blackquarter ..	S Agg. & filtr ..	do .	3	4	3,600	12	..	..	1,768	.			..
	Inoculations in clean areas													
		S.S. with G.V. ..	V.S., Hyd.-Dn	.		..	..	..	..	96		.	..	
		S.S. with T V. ..	do .	..	..	..	..	..		5,166				..
	Rinderpest	G.V.A.V. ..	do ..		..	.	..		.	358	.	..	12	
		T V A V. .	do .	.	.	..	.	.	.	10,155				.
	Hæmorrhagic Septicæmia. .	S S ..	M S.I., Bangalore			.	..	.		2,115				
		V A ..	do	.		..	..	..		280	.			
	Anthrax .	S. A.	do	.						900				.
	Fowl Cholera .		do	.			..	..				92	.	
			Total .	34	51	43,438	755			37,020		92	92	. .
Karimnagar	Rinderpest	S.A	M S I., Bangalore	5	18	27,244	1,921			1,011		..	..	
		.	do ..	..	..	..		.		2,341	.	..	.	..

TABLE No II

Summary of results of preventive inoculations during the year 1358 Fasli

District	Name of disease against which inoculation was undertaken	Method of inoculation	Source of product	No of outbreaks in which inoculation was undertaken	No of villages affected in the outbreaks	Bovine population of affected villages	No of animals which died on inoculated in course of outbreaks			No of animals inoculated			No of inoculated animals which died of the disease		
							Bovines	Equines	Others	Bovines	Equines	Others	Bovines	Equines	Others
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Kathiawar (concld.)	Rinderpest ..	S.S. with G.V. ..	V.S. Hyd Dn	..			.	.		173	..	..	.	..	..
		S.S. with T.V. ..	do ..	..	.	.	.	..	..	5,491	..	..	..	.	.
		T.V.A.V. ..	do ..	.	..	..		..		3,487		.	.	..	.
	H.S. ..	S.A. ..	M.S.I., Bangalore.	13	23	29,276	263	..	..	279		..	..	..	.
		V.A. ..	do ..	..		..	.	.	.	4,877	.		..	.	
		S. & V. ..	do ..	..	.	..	..	.	.	424	..		..	..	.
	Anthrax ..	S.A. ..	do ..	2	4	6,100	52	..	..	539		..	..	..	.
	Black Quarter ..	B.A. ..	do ..	1	3	3,988	21	..	.	500	..		.	..	
		Inoculations in clean areas													
	Rinderpest ..	S.S. with T.V. ..	V.S., Hyd.-Dn.	..	.	..	..	.	.	1,511		..	..	..	.

		T.V A.V. ..	do ..	..	..	..	..	..	..	6,447	..	..	..	..	..
	Haemorrhagic Septicaemia. ..	S.A. ..	M.S.I., Bangalore ..	..	..	..	..	..	..	989	..	..	..	..	..
		V.A. ..	do ..	..	..	..	..	..	..	4,030	..	..	..	..	..
		S.V. ..	do ..	..	..	..	..	..	..	836	..	..	..	..	..
	Black Quarter ..	Bacterin ..	do ..	..	..	..	..	..	..	422	..	..	..	..	..
	Rabies ..	V.A. ..	Pasteur Institute Coonoor ..	..	..	..	..	..	..	70	..	63	..	..	..
	Fowl Cholera ..	S.A. ..	M.S.I., Bangalore ..	..	..	..	..	..	..	..	..	79	..	..	..
		V. A. ..	do ..	..	..	..	..	..	..	..	..	86	..	..	..
	Distemper ..	S.A. ..	Bayer ..	..	..	..	..	..	..	..	..	8	..	..	..
			Total ..	41	72	66,398	2,269	..	..	33,626	..	236	..	..	..
Adilabad	Rinderpest ..	S.A. ..	M.S.I., Bangalore ..	9	30	13,693	492	..	..	681			..	..	..
		S.A. ..	do ..	..						46					
		S.S. with T.V. ..	V.S., Hyd.-Dn	5						22					
		T.V.A.V. ..	do ..	..			..	..	..	1,280					
	H.S. ..	S.A. ..	M.S.I., Bangalore.	4	8	5,786	46	..	..	574	..	..	..	..	..
	Black Quarter ..	S.S. ..	do ..	1	1	100	3	..	..	80		..	..	..	..
	Inoculations in clean areas														
	Rinderpest ..	S.S. with T.V. ..	V.S., Hyd.-Dn.	..	..	..	..	..	..	1,073	..	..	..	..	..
		T.V.A.V. ..	do ..	..	..	..	..	..	..	1,0182	..	..	..	..	..
			Total ..	19	39	19,579	541		..	13,938	..	..	..	..	..
			Total Southern Circle	171	286	2,29,225	4,530	..	315	1,15,137		2,629	88	..	29

TABLE No II

Summary of results of preventive inoculations during the year 1348 Fasli (contd.)

District	Name of disease against which inoculation was undertaken	Method of inoculation	Source of product	No. of outbreaks in which inoculation was undertaken	No. of villages affected in these outbreaks	Bovine population of affected villages	No. of animals which died un inoculated in course of out breaks			No. of animals inoculated			No. of inoculated animals which died of the disease		
							Bovines	Equines	Others	Bovines	Equines	Others	Bovines	Equines	Others
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
[illegible]	Rinderpest ..	T.V.A.V. ..	V.S., Hyd.-Dn.							80					
		S.S. with T.V. ..	do ..	2	3	543	6			40		..	.	.	..
		T.V.A.V. ..	do ..	..	..	.	.	..	.	2,033		..	..	..	..
		G.V.A.V. ..	do ..	..	..	.	..	..	..	40		..	..	.	.
		S.S. with G.V. ..	do ..	..	..	..	..	..	..	12	.	..	..	..	..
		S.S. with T.V. ..	do ..	..	..	..	..	..	..	72	..	..	..	..	..
	Haemorrhagic Septicaemia.	S.A. ..	M.S.I., Bangalore.	..	.	..	..	..	..	34	..	..	..	..	..
		Sero Vaccine ..	do ..	2	3	1,040	10	..	..	50	..	..	..	..	..
	Anthrax ..	S.A. ..	do ..	1	1	100	1	..	..	70	..	.	.	..	..
	Fowl Cholera ..	S.A. ..	do ..	4	4	..	..	..	87	..	.	203	..	..	15
		Sero Vaccine ..	do ..	..	..	..	..	..	..	..	..	90	..	..	..

		Vaccine Alone ..	do ..	..	.	..					169				
		Sero Vaccine ..	do ..	..	..	.	.		.		873				
		Vaccine ..	do ..	..	.	..	..		..		39		..		
2. Anantapur.	Fowl Pox vaccine	Vaccine ..	I.V.R.I., Muktesar	..	..	..	.	.	.		562		..	..	
			Total ..	9	11	1,685	17		2 431		1 986			15	
	Rinderpest .	S.S. with T.V. ..	V S., Hyd. Dn	1	1		3		146			1			
		T.V.A.V. ..	do						4 518						
	Haemorrhagic Septicæmia.	S. & V. .	M S I., Bangalore	8	8	5,316			1 192						
		S.A.	do	1	1		2		190						
	Black Quarter ..	Sero Bacterin ..	do	2	2	937	3		217						
			Total	12	12	6 413	8		6 253			1			
3 Mahbubnagar.	Rinderpest	S S. with T.V.	V.S Hyd Dn	2	2	974			1 233						
		S A	M S I , Bangalore	3	3	1 218			433						
	Haemorrhagic Septicæmia.	S & V. .	do	8	8	3 400			2 231						
	Black Quarter	S A	do	1	1	530			382						
	Anthrax .	S A. ..	do	4	4	1 740			1 167						
	Black Quarter .	S A	do	9	9	4 470			74						
	Anthrax	S A	do	1	1	95				1					
	Fowl Cholera	S & V .	do	1	1	1 314					240				
			Total	29	29	13 681			5 900	1	240				

TABLE No. II.

Summary of results of preventive inoculations during the year 1348 Fasli (concld.)

[illegible]	Name of disease against which inoculation was undertaken	Method of inoculation	Source of product	No. of outbreaks in which inoculation was undertaken	No. of villages affected in these outbreaks	Bovine population of affected villages	No. of animals which died uninoculated in course of outbreaks			No. animals inoculated			No. of inoculated animals which died of the disease		
							Bovines	Equines	Others	Bovines	Equines	Others	Bovines	Equines	Others
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
[illegible]	Rinderpest ..	T.V.A.V. ..	V.S., Hyd.-Dn.	..	..	..	..	..	..	4,836	..	..	..	..	..
	Haemorrhagic Septicaemia. ..	S.A. ..	M.S.I., Bangalore.	..	..	..	..	..	..	200	..	..	..	..	..
	Black Quarter ..	S.A. ..	do ..	..	..	..	..	..	..	482	..	..	..	..	..
	Haemorrhagic Septicaemia.	S.A. ..	do ..	2	2	1,155	17	..	..	504	..	..	..	..	..
	Fowl Cholera ..	S.A. ..	do ..	1	1	..	..	..	30	..	..	24	..	..	3
			Total ..	3	3	1,155	17	..	30	6,022	..	24	..	..	3
[illegible]	Rinderpest ..	S.A. ..	M.S.I., Bangalore.	5	8	3,606	169	..	..	2,514	..	..	..	..	..
		T.V.A.V. ..	do ..	..	..	..	..	..	..	9,590	..	..	..	..	..
	Haemorrhagic Septicaemia. ..	Vaccine ..	do ..	1	1	289	15	..	..	203	..	..	..	..	..

	Fowl Cholera ..	Vaccination ..	do ..	1	1	..	..	..	200	..	..	22	..	..	..
	Rabies ..	do ..	Pasteur Institute, Coonoor	1	1	..	..	..	..	..	..	1	..		..
			Total ..	11	11	3,895	184	..	300	13,379	..	23	..	..	..
	Hæmorrhagic Septicæmia.	S. & V. .	M.S.I., Bangalore.	1	1	500	9	..	..	441	..	..	..	..	14
	Fowl Cholera ..	Vaccine ..	do ..	1	1	..	..	..	..	..	..	352	..	..	..
	Rinderpest ..	S.S. with T.V.	V.S., Hyd. Dn.	..	..	..	..	..	..	100	..	..	..	..	..
		T.V.A.V. ..	do ..	..	..	..	..	..	..	3,161	..	..	..	..	..
			Total ..	2	2	500	9	..	..	3,702	..	352	..	..	14
		Total Hyderabad Circle ..		66	78	27,329	235	..	268	37,887	1	2,576	1	..	32
		Grand Total 1348 F. ..		271	398	281,575	5,049	..	663	175,940	482	5 322	92	1	61
										181,944					
		Total 1347 F. ..		459	732	503,796	6,453	..	565	240,452	194	4,832	60	..	97
										245,458					
		Total 1346 F. ..		378	1,030	570,496	8,816	..	172	331,051	85	4,339	56	..	19
										335,475					

NOTE :—M. S. I., Bangalore—Mysore Serum Institute, Bangalore.
V. S., Hyderabad —Virus Station, Hyderabad-Deccan
I.V.R.I., Muktesar—Imperial Veterinary Research Institute, Muktesar.

S. I., Madras—Serum Institute, Madras.

G.V. —Goat Virus.
G.V.A.V. —Goat Virus-Alone Vaccination.
T.V.A.V. —Tissue Virus-Alone Vaccination.
T.V. —Tissue Vaccine.
V.A. —Vaccine Alone.
S.V. —Sero Vaccine.
S.S. —Serum Simultaneous.
S.A. —Serum Alone.
H. S. —Hæmorrhagic Septicæmic

Statement showing the number of Animals treated and castrated at the Veterinary Hospitals and

District	No. of Veterinary Institutions	No. of Assistant Veterinary Surgeons employed	No. of in-patients treated during in the year				No. of treated in	
			Bovines	Equines	Others	Total	Bovines	Equines
1	2	3	4	5	6	7	8	9
1. Aurangabad ..	8	8	265	103	..	368	9,742	4,630
2. Parbhani ..	5	5	151	..	..	151	6,533	3,979
Hingoli Sub-Div. ..	1	5	677	4,427	362	5,466	4,365	2,633
3. Bhir ..	7	7	..	..	..	..	13,564	6,902
4. Nanded ..	6	6	..	13	..	13	10,122	5,032
5. Nizamabad ..	4	4	92	81	4	167	11,451	1,857
Total ..	31	35	1,255	4,824	366	6,445	55,777	24,823
1. Medak ..	8	8	15	5	1	21	8,420	1,645
2. Nalgonda ..	9	9	111	126	1	238	5,953	1,344
3. Warangal ..	9	9	210	160	167	537	13,305	1,300
4. Karimnagar ..	8	8	77	189	14	280	11,138	1,230
5. Adilabad ..	7	7	31	..	..	31	9,215	816
Total ..	41	41	444	480	183	1,107	48,091	[illegible]
1. General Hospital, Sitarampet	1	2	872	635	1,432	2,900	5,446	[illegible]
2. Pathergatti Dispensary	1	1	..	..	..	..	5,304	6,177
3. Nampally Dispensary	1	1	..	..	..	..	8,508	[illegible]
Himayatnagar ..	1	1	296	..	..	296	..	..
4. Malakpet ..	6	6	..	..	..	..	10,148	[illegible]
5. Osmanabad ..	4	4	52	60	11	123	4,158	[illegible]
6. Gulbarga ..	6	6	147	252	50	449	6,935	[illegible]
7. Bidar ..	6	6	182	22	8	212	9,704	[illegible]
8. Raichur ..	9	9	7	25	..	32	8,742	[illegible]
Total ..	35	36	1,556	994	1,501	4,031	68,130	[illegible]
Grand Total 1940 Fasli ..	107	112	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total 1939 Fasli	102	113	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total 1938 F.	[illegible]	125	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

No. III

Dispensaries during the year 1348 Fasli.

outpatients the year		Grand total of in- and out patients treated during the year	Total No. of cases supplied with medicine but not brought to institutions	Castrations performed				Receipts	Expenditure
Others	Total			Bovines	Equines	Others	Total		
10	11	12	13	14	15	16	17	18	19
6,906	21,368	22,036	62	1,405	1	11	1,417	..	
2,726	13,238	13,389	23	487	2	..	489	..	
1,028	8,024	13,492	..	46	13	1	60	..	
4,128	24,594	24,594	..	2,566	5	9	2,580	..	
4,236	19,379	19,392	177	406	1	6	413	..	
3,188	16,296	16,443	528	174	1	6	181	.	
22,301	102,901	1,08,346	790	5,064	23	33	5,140	..	
2,706	12,771	12,792	..	356	4	52	412	..	
1,940	9,146	9,354	3,194	257	4	7	268	..	
2,309	17,243	17,730	1,504	950	10	39	999	..	
1,866	14,243	14,523	3,255	1,443	6	2	1,451	..	
1,189	10,900	10,901	2,069	133	..	..	133	..	
10,010	64,303	65,470	10,023	3,139	24	100	3,263	..	
10,154 14,088	19,488 26,150	23,471 26,150	.. 1,126	20 19	3 2	9 4	37 25	Rs. O.S. 761 1 0 545 14 0	7,464 1 8
10,000 ..	26,056 ..	25,056 200	168 ..	45 11	.. ..	.. ..	45 11	536 15 4 ..	
5,397	15,087	15,087	2,694	105	11	8	124	..	
2,077	14,972	15,096	..	173	..	2	175	..	
3,094	19,626	16,096	605	221	3	75	299	..	
2,088	17,309	17,918	378	277	2	18	297	..	
4,088	16,608	16,309	428	413	6	81	500	..	
[illegible]	[illegible]	[illegible]	5,499	1,284	32	197	1,513	..	
[illegible]	[illegible]	[illegible]	16,921	8,507	79	330	9,916	..	
[illegible]	[illegible]	[illegible]	8,613	8,175	70	262	8,507	..	
[illegible]	[illegible]	[illegible]	..	...	..	..	..	..	

TABLE

Statement showing the number of animals treated and castrated by the Assistant

District	Number of Assistant Veterinary Surgeons employed	Castrations performed			
		Equines	Bovines	Others	Total
1	2	3	4	5	6
1 Aurangabad	8	1	3,151	4	3,156
2 Parbhani	5		1,277	..	1,277
3 Bhir	7	2	4,853	113	4,968
4 Nanded	6	1	4,103	47	4,151
5 Nizamabad	4		1,527	20	1,547
Total N. C. ..	30	4	14,911	184	15,099
1 Medak	7	1	1,476	178	1,655
2 Nalgonda	8	3	1,498	29	1,530
3 Warangal	8	5	1,638	26	1,669
4. Karimnagar	7		2,195	23	2,218
5. Adilabad	6	..	1,404	6	1,410
Total S. C.	36	9	8,211	262	8,482
1 Hyderabad ..	4	.	284	21	305
2. Atraf-i-Balda ..	4	6	1,108	20	1,134
3. Mahbubnagar .	8	7	722	29	758
4. Osmanabad .	4	..	1,047	16	1,063
5. Gulbarga .	7	9	1,497	58	1,564
6. Bidar	2	..	957	2	959
7. Raichur ..	8	1	1,947	99	2,047
Total H. C. ..	37	23	7,562	245	7,830
Grand Total 1948 F. ..	103	36	30,684	691	31,411
Total 1947 F. ..	124	68	30,407	302	30,777
Total 1946 Fasli ..	124	122	33,409	919	34,549

No IV

Veterinary Surgeons on tour during the year 1348 Fasli

Treated for contagious diseases				Treated for non contagious diseases				Total number of Castrations performed and cases treated
Equines	Bovines	Others	Total	Equines	Bovines	Others	Total	
7	8	9	10	11	12	13	14	15
5	179		184	227	1 784	288	2 299	5 649
5	154		154	192	593	91	876	2,312
	17		17	671	2 840	147	3 658	8 643
	193		193	1,416	3 438	13	4 867	9 211
3	1,410	..	1,413	22	6 394	29	6 445	9,405
13	1,953	..	1,966	2 528	15,049	568	18 145	35 210
2	3,308	1,049	4,359	99	1,300	41	1 440	7,454
.	1,381	..	1 381	84	1,050	23	1 157	4,068
	5,148	491	5,639	28	1 780	304	2,112	9,420
2	3,322	..	3 322	50	2,839	374	3 263	8,805
..	2 975	52	3,027	89	1,805	22	1,916	6,353
4	16,134	1,592	17,730	350	8,774	764	9,888	36 100
6	30	80	116	6	2,298	2,672	4,976	5,397
..	146	20	166	23	825	55	903	2,203
..	986	..	986	624	1,438	2,224	4,286	6,030
..	..	..	.	335	706	51	1,092	2,155
..	557	..	557	320	1,417	72	1,809	3,930
..	73	1	74	249	1,071	34	1 354	2,387
..	713	..	713	149	3,300	3	3,452	6,212
6	2,505	101	2,612	1,706	11,055	5,111	17,872	28,314
23	20,592	1,693	22,308	4,584	34,878	6,443	45,905	99,624
25	23,013	2,072	23,115	4,798	30,727	6,516	42,041	110,933
134	23,555	246	23,325	7,347	36,811	4,204	48,362	106,227

TABLE V.

Statistics of Castrations and Treatments performed during the year 1348 F.

[illegible] District	Number of animals treated			Number of animals castrated			Live-stock population					
							Bovines		Equines		Others	
	Bovines	Equines	Others	Bovines	Equines	Others	Males	Females	Males	Females	Males	Females
[illegible]												
[illegible]gabad ..	12,070	5,165	7,284	4,556	2	15	430,972	368,724	29,746		314,450	
[illegible]bani ..	7,481	4,176	2,817	1,764	2	..	322,409	317,424	18,052		194,750	
[illegible] Stud..	5,042	7,060	1,890	46	13	1	55,090	53,668	2,420		20,422	
[illegible] ..	16,421	7,578	4,275	7,419	7	122	311,661	298,525	23,519		232,704	
[illegible] ..	18,758	6,451	4,248	4,509	.. 2	53	324,697	371,140	15,182		219,660	
[illegible]nabad ..	18,817	1,768	8,221	1,701	1	26	224,229	241,423	5,125		386,225	
Total Northern Circle ..	74,084	32,188	28,285	19,995	27	217	1,678,058	1,650,904	94,044		1,368,211	
[illegible] ..	18,048	1,751	8,797	1,882	5	230	327,652	325,547	9,469		597,373	
[illegible]nda ..	8,495	1,454	1,978	1,755	7	36	568,837	639,840	10,788		1,507,736	
[illegible]angal ..	20,508	1,697	3,881	2,588	15	65	496,774	618,965	4,770		746,631	
[illegible]nagar ..	17,876	1,480	2,254	3,688	6	25	541,519	565,086	3,112		968,772	
[illegible]bad ..	14,026	7,05	1,208	1,587	..	6	881,985	447,289	3,438		335,982	
Total Southern Circle ..	78,448	7,087	12,558	11,850	33	362	2,816,717	2,596,677	31,577		4,156,444	

1. Hyderabad ..	22,688	14,262	41,781	868	10	84	10,904	21,951	8,877	17,214
2. Aurangabad	971	28	75	1,108	6	20	298,191	282,131	14,083	572,141
Himayatnagar Cattle Breeding ..	298	..	..	11	..	..	..	..	..	..
3. Mahbubnagar	12,570	2,728	5,011	827	18	37	488,728	481,596	19,602	1,183,518
4. Osmanabad ..	4,916	8,582	2,789	1,220	..	18	299,795	265,122	18,807	223,759
5. Gulbarga ..	9,056	6,156	4,086	1,718	12	183	504,140	480,172	88,982	754,705
6. Bidar ..	11,080	4,961	8,355	1,234	2	20	419,110	526,314	25,244	409,906
7. Raichur ..	12,762	2,844	4,659	2,360	7	180	333,223	330,292	14,672	675,327
Total ..	74,241	39,506	61,656	8,846	55	442	2,354,086	2,387,578	183,267	3,788,570
Grand Total for 1348 F.	221,718	78,781	97,449	40,191	115	1,021	6,348,865	6,630,159	258,888	9,318,225
Grand Total for 1347 F.	214,824	68,584	91,714	38,582	138	564	6,348,865	6,630,159	258,888	9,318,225
Grand Total for 1346 F.	201,883	70,466	85,181	33,499	122	919	6,348,865	6,630,159	258,888	9,318,225

TABLE VI A

Statement showing the number of [illegible] bulls [illegible]

NUMBER OF APPROVED BULLS MUSTED

Name of District	Present on 30th Aban 1347 F		Obtained during the year						Lost or [illegible] during the year			Balance [illegible] last													
	Number					Average price paid per head																			
	Property of Government	Property of Local Bodies	Government	Local Bodies	Others	Government	Local Bodies	Others	Government	Local Bodies	Others	Government	Local Bodies	Others	Total	[illegible]	Local Bodies	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1. Aurangabad.	4	.	1	.	.	Stud bred	..	..	*1			4			4						not		4		[illegible]
2. Stud Hingoli ..	12	..	20	.		.			†9			23			2[illegible]						do				[illegible]
3. Nanded ..	1	..	..	..	..	..	..	..	..	..	..	1	.	..	1	..	.	.	.	..	..	..	13		*Died
4. Nizamabad.	15	..	..	..	..	..	..	..	†2	..	.	13	..	..	13		Rs. per head monthly	10	.	..	..	..	140		

5. Medak	2	..		..	.		.	.	..	..	.	2	.	2	204		204	200	2		12	
6. Warangal ..	2	..	.	..	..	.	..	..	..	..		2	.	2				150	5	3	90	
7. Karimnagar	..	..	..	..	.	..	.	..	..	..			2	2		..				6	.	
8. Adilabad ..	1	..	1	..	..		..	..	..	..	.	2	.	2		.						
9. Hyderabad	2	..	..	..	..		..	..	..	..		2	..	2	114–3 6		114 3 6	75	1			
10. Cattle Breeding Farm Himayetsagar	6	..		..	..		.	..	*1	.	.	5	.	5	747 1 9		747–1 –9	94	1		79	*One was wrongly included last year
11. Mahbubnagar	8	..	..	..	..	..	..	..	*1	.		7	.	7	Maintained by revenue						99	*Killed by a tiger
12. Bidar ..	3	..	1	..	.	Rs 200	..	.		..		4	.	4	531 15 5						124	
Total for 1348 F	56	..	23	..	..		.	.	14			65	2	67								
Total for 1347 F.	39	2	35	.	..		.		18			56	2	58								
Total for 1346 F	25	..	8		..		.		.			43		43								

TABLE VI B.

Statement showing numbers of approved male buffaloes at stud during the year 1848 F

Name of District	Number of approved bulls at stud: Present on 30th Aban 1847 F — Property of Government	Property of Local Fund	Obtained during the year — Number — Government	Local Bodies	Average price paid per head — Government	Local Bodies	Casualties during the year — Government	Local Bodies	Balance in hand on 30th Aban 1848 F — Government	Local Bodies	Total	Net cost for the issue and maintenance of stud bulls — Government	Local Bodies	Total	Population of she buffaloes over three years according to returns	Number of bulls: Required to be maintained at one per hundred she-buffaloes	Short of requirements	Number of cows covered during the year	Remarks
1. Cattle Breeding Farm, Himayatnagar ..	1	..	..	..	..	..	..	..	1	..	1	Rs. 171-5-7	..	Rs. 174-5-7	12	1	..	5	
Total for 1848 F.	1	..	..	..	..	..	..	..	1	..	1	174-5-7	..	174-5-7	12	1	..	5	
Total for 1847 F.	1	..	..	..	..	..	..	..	1	..	1	114-1-0	..	114-1-0	14	1	..	5	
Total for 1846 F.	1	..	..	..	..	..	..	..	1	..	1	112 2 7	..	112-2 7	9	1	..	4	

TABLE VI-C.

Statement showing number of approved Horse Stallions at Stud during the year 1348 F

District	No. on 30th Aban 1847 F.				Obtained during the year				Casualties during the year				Balance on 30th Aban 48 F				No. of Mares Covered		Population of mares	
	Horses		Donkeys		Horses		Donkeys		Horses		Donkeys		Horses		Donkeys		Horses	Donkeys	Horses	Donkeys
	Government	Local Bodies	Government	Local Bodies	Government	Local Bodies	Government	Local Bodies	Government	Local Bodies	Government	Local Bodies	Government	Local Bodies	Government	Local Bodies				
Stud Farm Hingoli	10				4				5				9				[illegible]		[illegible]	
Total for 1848 F.	10	..			4				5				9				[illegible]		[illegible]	
*Total for 1847 F.	12				5			.	7				11				[illegible]		[illegible]	
*Total for 1846 F.	13				5				5				13				[illegible]		[illegible]	

TABLE

Abstract of particulars regarding Cattle Fairs

Name of District	Number of cattle fairs held	Total number of stock present							Average price of animals sold				
		Bulls	Bullocks	Cows	Young Stock	Buffaloes	Camels	Others	Bulls	Bullock	Cows	Buffaloes	Camels
1 Aurangabad	1	2	4	3	3	2	.	4	..	..	..	..	..
2 Bhir	1	90	980	100	..	120	10	379	..	..	..	..	..
3 Niramalad	1	52	180	19	23	7	..	4	..	..	..	..	..
4 Nanded	1	302	150	168	55	107	600	1,115	Rs. 90	Rs. 80	Rs. 45	Rs. 60	Rs. 150
5 Medak	1	8	88	7	22	12	..	26	..	..	..	..	..
6 Warangal	2	18	72	7	12	4	..	..	..	..	..	..	..
7 Karimnagar	1	12	170	10	24	4	..	..	..	..	..	..	..
8 Adilabad	1		80	..	3	16	..	..	..	..	..	..	..
9 Hyderabad	1	.	61	6	55	59	8	84	..	..	..	..	..
10 Mahbubnagar	4	2,451	6,386	531	988	1860	..	60	70 to 90	100 to 150	25 to 50	35 to 60	..
11. Bidar	1	129	50	122	36	3	7	..	..	..	..	..	..
12. Gulbarga	1	49	206	1	23	7	..	..	..	..	..	..	..
13. Raichur ..	6	971	1,453	48	153	57	..	36	Rs. 35 to 100	Rs. 39 to 100	Rs. 31 to 71	..	..
14. Nalgonda ..	1	34	178	33	32	..	..	..	..	..	..	..	..
Total ..	23	4,166	10858	1075	1,429	2256	625	1,708	..	..	..	..	..

o (Shows held during the year 1848 F

Amount realized in fees	Total No. of animals that competed for prizes	Prize money provided: From Provincial Funds	From Local Funds	From other Sources	Total	Amount actually awarded	Number of Medals awarded
Rs		Rs	Rs	Rs	Rs	R	
..	3						8 Silver [illegible] of 40 tolas
.	22						21 Silver [illegible] of 19 tolas
..	150						37 Silver [illegible] of 31 tolas
400	372	1,121 0 0			1,121 0 0	1,121 0 0	23 Silver bangles of 170 tolas and 5 Silver [illegible]
..	163	30 0 0	.	.	30 0 0	30 0 0	17 Silver bangles of 115 tolas
..	113	..	.	.	..		19 Silver bangles of 21[illegible] tolas
..	220	..	.		.		22 Silver bangles of 210 tolas
..	99	..	..	.	..		10 Silver bangles of 85 tolas
..	173	..	351	.	351 0 0	351 0 0	11 Silver bangles of 100 tolas and 6 Silver cups from other sources
..	812	..	..	..	.	.	63 Silver bangles of 525 tolas
..	347 [illegible]	673 0 0	..	..	673 0 0	673 0 0	31 Silver bangles of 370 tolas
..	287	..	..	..	.	.	11 Silver bangles of 105 tolas and 72 tolas from Urus Funds
..	659	30 0 0	..	.	30 0 0	30 0 0	41 Silver bangles of 350 tolas and do of 571½ tolas fr o other sources.
	277	..	..	..	..		22 Silver bangles of 210 tolas
..	3,797	1,854 0 0	251	..	2,205 0 0	2,205 0 0	336 Silver bangles of 3,015 tolas, 5 Silver medals from Provincial Funds 6 Silver cups, and Silver bangles of 648½ tolas from other sources.

TABLE

Statistics of Live-stock slaughtered in

Name of District	NUMBER OF RECOGNISED SLAUGHTER-HOUSES FOR								No. of unlicensed slaughter houses
	Cattle and Buffaloes		Sheep and Goats		Pigs		Others		
	Govt	Local Bodies	Govt	Local Bodies	Govt	Local Bodies	Govt.	Local Bodies	
1 Aurangabad	5	5	6	7	..	..	..	2	21
2 Parbhani	1	1	1	1		.	..	..	4
3 Nizamabad		1		1		.	..	..	4
4 Nanded		1		1			..	..	5
5 Nalgonda			2		.			..	18
6 Warangal		1	7	2	.	.	..	1	9
7 Balda		2	2	3	.	.	..	..	..
8 Raichur	4	2	7	5	..	.	..	..	9
9 Bhir					..		..	..	14
10 Gulbarga		5		4	..	..	..	..	1
11 Osmanabad		1		1	..	..	..	..	..
12 Bidar	2	8	2	6	..	..	..	..	..
Total	12	27	27	33	..	..	..	3	85

re ognised Slaughter houses during the year 1948 [illegible]

NUMBER OF ANIMALS SLAUGHTERED								SEAL MEAT PER PER HEAD				
Cows	Bulls and bullocks	Calves	Buffaloes	Sheep	Goats	Pigs	Other [illegible]	Cattle	Buffaloes	Sheep	Goats	Pigs
4,763	3,313	996	50	6 968	11 306							
129	113	25	.	517	473							
2 160	1 440			7,200	1 600			0 1 0		0 1 6		
1,699	2 200	244		5 712	2 173			0 2 0		0 1 0		
298	547	12		10 841	10 275			0 1 0 0	1 0	0 0 0 6		
3 477	2,046	994	1	27 317	16 066	8		0 1 0		0 0 6		
9,856	4,175	1,317		237 475	141 638		5	0 1 0		0 0 6		
925	272	48	1,313	5,785	5 822			0 1 0 0	1 0	0 0 0 6		
6,765	2,575	761	50	9 205	1 026							
5,448	4 556	960		10 281	15 691			0 1 0		P 6 A 1		
	6,075			8,445				0 1 2 0				.
3,915	2,478	1,425	332	3 392	4 252			0 1 0		6		.
..	..	..					..					.

Statement showing the Cost of the Civil Veterinary Department during the year 1348 F.

Sl. No.	Major Head	Government	Local Fund	Total
1	2	3	4	5
		Rs. As. Ps.	Rs. As. Ps.	Rs. As. Ps.
1	A Direction	51,531-10-8-1/6	..	51,531-10-8-1/6
2	B Stud Farm	1,26,617-2-4	.	1,26,617-2-4
3	B Reward For Breeding	3,466-4-3		3,466-4-3
4	C Cattle Breeding	47,754-4-11-5/6	.	47,754-4-11-5/6
5	D (1) Veterinary	2,63,064-10-7-4/6	..	2,63,064-10-7-4/6
6	D (2) Local Fund Salutries	..	10,208-6-2	10,208-6-2
7	E Medical Stores	30,445-11-8-2/6	..	30,445-11-8-2/6
8	Propagand	60-6-6	..	60-6-6
	Total	5,22,940-3-1	10,208-6-2	5,33,148-9-3

TABLE No. X.

Statement showing total strength of the Veterinary Staff employed during the year 1348 Fasli

Sl. No.	How occupied	Whether paid from Provincial or Local Fund	Deputy Superintendents	Veterinary Inspectors	Assistant Veterinary Surgeons	Veterinary Assistants	Sahitri Jamadars	Sahitris	Cattle Breeding Officer	Dairy Research Assistant	Superintendent	Asstt. Superintendent	Fieldman	Mechanic
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	In schools and colleges.													
2	In charge of circles and Head Office.	Govt	4											
3	Stud Hingoli	do	1											
4	Inspectors	do		15										
5	Hospitals and Dispensaries	do		1	18									
6	Itinerary Dispensaries	do			28	38		15						
7	Horse Breeding	do					17							
8	Cattle Breeding	do							1	1				
9	Cattle Breeding Farm & Dairy Himayatsagar	do									1	1	1	1
	Total employed		5	16	46	38	17	15	1	1	1	1	1	1
	Vacancy				2							1		

TABLE No XI

Statement showing the main results of the State Scholars studying at British Indian Colleges for the year 1945-46

Sl. No.	Name of Institution	Nature of course	Under instruction at the end of the year				Passed during the year				Finish Scholarship awarded during the year	Under training at the end of the year				Officials under Post-graduate training
			1st year	2nd year	3rd year	4th year	1st year	2nd year	3rd year	4th year		1st year	2nd year	3rd year	4th year	
1	2	3	4	5	6	7	8	9	10	11	14	13	14	15	16	17
		..	..	.	.	..	.		.	.	..	.	.	..	..	1 Veterinary Inspector 1 Asst. Vety. Surgeon

TABLE No. XII

Return of Government Horse and Pony Stallions for 1348 Fasli

Details		Horse and Pony Stallions					
		American thorough bred	Australian thorough bred	Arab	Kathiawari	Country bred	Total
1		2	3	4	5	6	7
Balance on 1st Azur 1348 Fasli. ..		2		5	1	22	29 + 1
Increase	Imported .						
	Purchased	1					1
	Issued from Stud.					2	2
	Total	3		5	1	24	32 + 1
Decrease	Died ..	..	.				
	Destroyed.	1		1			2
	Sold ..						..
	Transferred	..	.	.		.	..
	Total ..	1	.	1	.		2
Balance on 30th Aban 1348 F. ..		2	.	4	1	24	30 + 1
Posted in district ..		..	..	3		16	19
Stud, Hingoli .		2	.	1		8	11
Do	Teasers ..	..	..	..	+1	..	+1
Do	Resting ..	..	..	..	.	..	..
Do	Sick ..	..	..	..	..	..	..
	Total ..	2	..	4	+1	24	30+1

TABLE No XIII

Statement of Horse and Pony Stallions for 1348 Fash

S No	Stud Stand	S No	Horse and Pony at Stud	No of Stallions on register	No of Stallions at Stud	No of mares covered	Average No. of Mares per Stallion 1347 Fash	Average No. of Mares per Stallion 1348 Fash	Remarks
1	2	3	4	5	6	7	8	9	10
1	Aurangabad		B I B Cuplet						Destroyed on 31-10-48
		1	B A Herald	2	2	34	14	17	
		2	Ch I B Siren						Posted on 25 10-48
2	Pattan	3	I B Gold Dust	1	1	18	22	18	
3	Vijapur	4	B I B Gay monk	1	1	32	43	32	
4	Parbhani	5	Ch I B Council	1	1	18	40	18	
5	Basmath nagar	6	Ch I B Pyton						Sent to Hingoli on 26-10-48
			B I B Avoir Dupus	1	1	28	25	28	Posted here on on 24-10-48
6	Nanded	7	G A Leslow	1	1	27	18	27	
7	Biloli	8	I B Husaga	1	1	21	27	21	
8	Beed	9	B I B Howitzer	2	2	57	26.5	28.5	
		10	B I B Picara						
9	Mommabad	11	G I B. Sunny-boy (Arab)						
			G A. Solidity ..	2	2	36	24.5	18	Destroyed on 30-10-48
		12	D B I B Apollo .						Posted here on 25-10-48
10	Ashti .	13	B I B. Almucel..	1	1	18	16	18	
11	Patoda	14	Ch. I.B. French-pie						
		15	G.I B. Humble-pie ..	2	2	37	24.5	18.5	
12	Gulbarga	16	G.I.B. Bayonet .	1	1	24	9	24	
13	Bidar ..	17	B.I.B. Alawan ..	1	1	32	41	32	
14	Udgir .	18	B.I.B. Nauman .	2	2	30	26	15	Posted here on 5-7-48
		19	Ch. I.B. Counter						

TABLE No. XIII

Services of Horse and Pony Stallions for 1948 Fairs

S. No.	Stallion Stand	No.	Horse or Pony at Stud	[illegible]	[illegible]	[illegible]	Average No. of Mares per Stallion 1947 Fairs	Average No. of Mares per Stallion 1948 Fairs	Remarks
1	2	3	4	5	6	7	8	9	10
15	Ahmedpur	20	Cn I B A v [illegible]	2	2	1	24	2[illegible]	
		21	Br I B Alcl						
16	Hingoli	22	B T B. Nethou						
		23	G A Humurous						
		24	Br I B Ganepe						
		25	B I B Wedding day						
		26	B I B Avoirdu pois						
		27	G.I.B Funnyboy	10	5	07	21	19 4	
		28	Br I B Lovelale						
		29	Bright Prospect						
		30	Lord Chancellor						Drafted as stallions
			Ch I B Sirem						
			D B I B Apollo						
		31	Hareen Kesar						Teaser
	Total ..	31		31	26	554	24 2	21 3	

TABLE No. XIV.

Statement showing average cost of upkeep of Stallions for 1848 Fasli.

Where posted	Horses		Remarks
	Year under report	Previous year	
1	2	3	4
	Rs. a. p.	Rs. a. p.	
In Districts ..	400 9 5	402 12 4	
At Stud	242 6 0	219 15 8	

TABLE No. XV.—A.

Return of Horse and Cattle Stock on the Hingoli Stud Farm for the year 1848 Fasli.

Details		Horses		Cattle		Total
		Colts	Fillies	Males	Females	
1		2	3	4	5	6
Balance on 1st Azur 1848 F.		48	59	69	44	220
Increase	By birth ..	9	12	23	17	61
	By purchase ..	..	..	..	..	..
	By transfer ..	..	1	..	..	..
	Total ..	57	71	92	61	281
Decrease	Died ..	..	3	10	2	15
	Destroyed ..	..	..	..	..	..
	Sold ..	15	12	17	5	49
	Transferred ..	2	4	24	5	35
	Total ..	17	19	51	12	99
Balance on 30th Aban 1848 F.		40	52	41	49	182
Value in O. S. Rs. ..		29,326-8-0	33,516	6,445	7,875	77,162-8-0

TABLE XV-B.

Return of Cattle Stock on the Himayatnagar Cattle Breeding and Dairy Farm for 1348 F.

Details	Krishna Valley		Malvi		Murrah Buffaloes		Bullocks	Total
	Male	Female	Male	Female	Male	Female		
1	2	3	4	5	6	7	8	9
Balance on 1st Azur 1348 F. ..	84	125	47	106	9	16	21	408
Increase — By birth ..	17	8	10	23	4	3	..	65
Increase — By purchase ..	..	..	..	..	..	..	..	..
Increase — By transfer ..	..	6	..	9	..	3	10	28
Total ..	101	139	57	138	13	22	31	501
Decrease — Died ..	1	1	2	6	..	..	..	10
Decrease — Destroyed ..	..	..	..	..	..	..	..	..
Decrease — Sold ..	49	59	13	32	..	..	7	160
Decrease — Transferred ..	8	6	2	9	..	3	..	28
Total ..	58	66	17	47	..	3	7	198
Balance on 30th Aban 1348 F. ..	43	73	40	91	13	19	24	303
Value in O.S. Rs. ..	8,430		7,964		2,369		890	19,653

TABLE No. XVI-A.

Abstract showing main results of the Hingoli Stud Farm.

Receipts paid into the Treasury.	Rs.	as.	ps.
1. Sale of animals	4,693	11	8
2. Sale of Farm produce	4,289	2	7
3. Other Heads	1,907	12	8
Total ..	11,190	10	11
Expenditure.			
4. Salaries and allowances of Officers .. .	25,745	1	6
5. Do do Subordinates .			
6. Cultivation expenses ..	4,133	2	1
7. Feed of animals including reserve fodder ..	49,157	10	4
8. Purchase of animals	..		
9. Other Heads	13,402	14	1
Total ..	92,438	12	0
Valuation of animals issued on book credit.			
10. Stallions and Brood mares	11,000	0	0
11. Bulls and Cows	7,250	0	0
..			
Valuation of animals, grain, fodder, etc., on hand at the end of the year.			
12. Valuation of horse and cattle stock	77,162	8	0
13. Do grain	1,831	1	3
14. Do fodder hay	2,277	5	6
Total ..	81,271	2	9

TABLE No. XVI-B.

Abstract showing main results of the Himayetsagar Cattle Breeding Farm and Dairy.

Receipts paid into the Treasury	Rs	as.	ps.
1. Sale of animals	4,801	4	0
2. Sale of Farm produce	14	9	6
3. Other heads	4,041	15	0
Total	8,857	12	6
Expenditure			
4. Salaries and allowances of Officers	4,605	0	0
5. Salaries and allowances of Subordinates	8,693	9	3
6. Cultivation expenses	6,157	10	8
7. Feed of animals including reserve fodder	12,956	12	3
8. Purchase of animals	..		
9. Reserve fodder	2,835	0	0
10. Other heads	9,929	15	6
Total	43,177	15	8
Valuation of animals issued on book-credit.			
11. Bulls and cows	250	0	0
Valuation of animals, grain, fodder, etc., on hand at the end of the year.			
12. Valuation of cattle stock	19,663	0	0
13. Valuation of grain	230	3	9
14. Valuation of fodder	271	13	6
Valuation of coal, lubricating oil, etc.	801	1	9
Cost of silage of 207,191 lbs. at the rate of 1,000 lbs. per rupee	2,071	14	6
Total	23,038	1	6

TABLE No. XVII.

Statement showing results of the touring of Deputy Superintendent of the Civil & Veterinary Department for the year 1348 Fasli

No.	Name of Officer	No. of days on tour	Distance travelled: By road	By rail	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	2	3	4		6	7	8	9	10	11	12			14
1	Mr M Mahmoodulla Deputy Superintendent, Southern Circle	165	91[illegible]	1,4[illegible]	[illegible]	1							4	
2	Mr N D Dassan Offg Dy Supt Northern Circle	101	512	2,106	1[illegible]	1						[illegible]		
	Mr Amin ud din Offg Dy Supt Northern Circle	6[illegible]	1,2[illegible]	[illegible]	[illegible]	1							[illegible]	
3	Mr Mohd Aziz Hasan Dy Supdt Hyderabad Circle	120	566	2,[illegible]	6[illegible]	[illegible]						1	1	

APPENDIX

MICROSCOPIC EXAMINATIONS

2,203 *Specimens were examined during the*

	Protozoan Diseases															Bacteria							
	Trypanosomiasis					Piroplasmosis																	
	Equine	Bovine	Canine	Caprine	T. theileria	B. bigeminum	T. mutans	P. canis	P. gibsoni	Nuttallia equi	P. ovis	T. annulata	Fowl spirochaetosis	Microfilaria in blood	Hæmorrhagic Septicæmia	Anthrax	Fowl cholera	Black Quarter	Tuberculosis	Johne's disease	Vibrion septique	Actinomycosis
Number examined	503	28	5	2	1	341							15	3	32	31	72	9	4	4	3	1
Number positive	31	6	1	..	1	7	47	8	19	4	2	2	4	2	16	18	22	4	..	..	3	1

No. I.

DURING THE YEAR 1348 FASLI.

year of which 555 were found positive and are summarised below.

DISEASES			Skin Scrapings							FAECES EXAMINATION									Total
Strongles	B. suitellis	Pyogenic organisms	Sarcoptic scabiei bovis	Sarcoptil minor cuniculi	Sarcoptidae	Demodex folliculorum	Nasal schistosomiasis (Nematodes)	Albumin in urine	Ova of liver flukes	Ova of strongyles	Ova of Ancylostomes	Ova of Paramphistomes	Ova of Trematoda	Ova of schistosomes	Ova of tapeworms	Cysts of Giardia	Balantidia coli	Buxtonella sulcata	
1	322		16				9	3	373	522									2,302
1	7	17	9	1	1	1	3	3	111	64	66	11	13	1	1	6	74		588

APPENDIX No. II.

Parasitological specimens collected and preserved during the year 1348 Fasli.

Specimen	Quantity	Host	Habitants	Locality	
				Village	District
Endo parasites					
Nematodes.					
Haemonchus contortus ..	1	Sheep	Abomasum	Marekal	Mahbubnagar.
Ascaris equi	1	Pony	Intestine	Aurangabad	Aurangabad
Filaria haemorrhagica ..	1	Bullock	Wound	Kishtanpur	Asifabad
Mecistocirrus digitatus ..	1	Calf	Abomasum	Sitarampet	Hyderabad
Oesophagostomum columbianum.	2	Sheep	Intestines	Marekal	Mahbubnagar.
				Pattancheru	Medak
Setaria-labiato-papillosa ..	1	Bullock	Peritonial cavity	Lashmipalli	Nalgonda
Spirocerca sanguinolanta ..	2	Dog	Connective tissue	Narayanguda	Hyderabad
				Osmania Hospital.	Hyderabad
Toxascaris canis ..	1	Dog	Intestine	Aurangabad	Aurangabad
Tricocephalus ovis ..	1	Goat	Intestine	Pattancheru	Medak
Cestodes.					
Avitellina centripunctata	1	Goat	Intestine	Pattancheru	Medak
Cysticercus tenuicollis ..	1	Goat	Peritonial cavity	Pattancheru	Medak
Dipylidium caninum ..	2	Dog	Intestines	Aurangabad	Aurangabad
Hydatid cysts ..	2	Bullock	Lung and liver	Pattancheru	Medak
Rallietina (sp.) ..	1	Fowl	Intestine	Aurangabad	Aurangabad
Trematodes.					
Cercaria	1	Tank	..	Lashmipalli	Nalgonda
Ova of Schistosomanasalis	2	Bullock	Nose	Nirmal	Asifabad
				Narayanguda	Hyderabad
Paramphistoma cervi ..	2	Goat	Rumen	Pattancheru	Medak
				Lashmipalli	Nalgonda
Schistosoma indicum ..	1	Bullock	Portal vein	Lashmipalli	Nalgonda
[illegible] spindalis ..	1	Bullock	Portal vein	Lashmipalli	Nalgonda
[illegible] ..	1	Bullock	Body	Asifabad	Asifabad

[illegible] collected and preserved during